

# Putting a stop to energy waste

With lighting accounting for up to 20% of a commercial building's electricity use, the efficient control of lighting across all areas is a vital tool in reducing energy waste.

Our lighting management systems ensure there is just the right amount of light when and where it is needed, from simple standalone sensors to building wide lighting management using globally recognised protocols such as SCS, KNX and ZigBee.



## THE STANDALONE SOLUTION

Combining lighting management sensors with traditional light switches puts users in complete control. Lights can be manually switched on and off or, if users forget to switch off lights, the sensors will do so automatically.

### THE RIGHT TECHNOLOGY FOR EVERY ENVIRONMENT

Legrand lighting management solutions are available in three different technologies to provide effective occupancy detection in different environments... all of which can be controlled and commissioned remotely.



For small, enclosed spaces PIR sensors detect occupancy using the heat difference between people and the ambient space.



For large spaces and open areas ultrasonic sensors transmit sound waves throughout an area and measure the speed at which they come back.



For spaces with low or infrequent movement from occupants dual technology, as the name suggests, combines both infrared and ultrasonic detection.



PIR



Ultrasonic



Dual technology



## FULLY INTEGRATED LIGHTING MANAGEMENT SYSTEMS

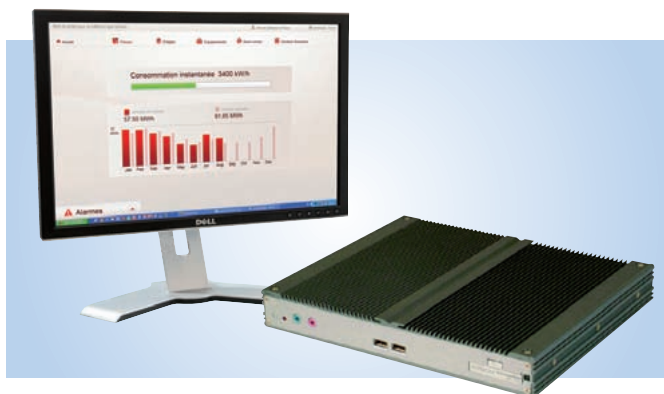


Legrand's lighting management systems allow the user to manage and control their installation. Touch screens, mobile configurators and remote controls allow local control of the system; software packs and building management provide global management and supervision of multiple systems.

### 3 SYSTEMS: BUS/SCS, BUS/KNX AND RADIO/ZIGBEE®










Choose from three globally recognised protocols:

- BUS/SCS: local or remote control of lighting using dedicated software
- BUS/KNX: automated control that works alongside existing applications (emergency lighting, fire alarms etc)
- Radio/ZigBee: for wireless installations and renovations where additional cabling cannot be introduced



## lighting management standalone sensors

### main characteristics and applications

Cat. Nos.	Outputs	Operation	Installation type	Sensor technology	IP	Detection field	Diameter at 2-5 m	Recommended application
 0488 03	1	ON/OFF	ceiling	PIR	IP 20	45 m <sup>2</sup>	Ø8 m	• movement indoor
 0488 11	1	ON/OFF	wall	PIR	IP 20	45 m <sup>2</sup>	range 8 m	• movement indoor
 0697 40/80	1	ON/OFF	wall outdoor	PIR	IP 55	45 m <sup>2</sup>	range 8 m	• movement outdoor
<b>NEW</b>  5740 47/5740 97 5740 34/5740 94	1	ON/OFF	wall	PIR	IP 41	15 m <sup>2</sup>	range 8 m	• movement indoor
<b>NEW</b>  0488 05	1	ON/OFF	ceiling	US	IP 20	45 m <sup>2</sup>	Ø8 m	• restrooms • enclosed hallways • stairways
 +  0488 21 + 0488 50/51/52	2	ON/OFF/ dimming						
<b>NEW</b>  0488 06 0488 09	1	ON/OFF	ceiling	DUAL TECH	IP 20	90 m <sup>2</sup>	Ø11 m	• offices • conference rooms • classrooms
 +  0488 22 + 0488 50/51/52	2	ON/OFF/ dimming						
<b>NEW</b>  0488 07 0488 08	1	ON/OFF	ceiling	PIR	IP 20	45 m <sup>2</sup>	Ø8 m	• small offices • hallways • lobbies
 +  0488 20 + 0488 50/51/52	2	ON/OFF/ dimming						
<b>NEW</b>  0488 17	1	ON/OFF	ceiling	PIR	IP 20	30 m x 3 m	range 30 m	• corridor
<b>NEW</b>  0488 13	1	ON/OFF	wall	PIR	IP 42	length 30 m	range 30 m	• warehouse • high ceiling location
 +  0488 25 + 0488 50/51/52	2	ON/OFF/ dimming						
<b>NEW</b>  +  0488 23 + 0488 50/51/52	2	ON/OFF/ dimming	wall	DUAL TECH	IP 42	90 m <sup>2</sup>	range 11 m	• offices • conference rooms • classrooms
<b>NEW</b>  +  0488 24 + 0488 50/51/52	2	ON/OFF/ dimming	wall	PIR	IP 42	45 m <sup>2</sup>	range 8 m	• small offices • hallways • lobbies
<b>NEW</b>  0488 10	1	ON/OFF	wall outdoor	PIR	IP 55	180 m <sup>2</sup>	Ø15 m	• building entrance • warehouse • car parks
 +  0488 30 + 0488 50/51/52	2	ON/OFF/ dimming						
<b>NEW</b>  5740 49/5740 99	1	ON/OFF	wall	DUAL TECH	IP 41	15 m <sup>2</sup>	range 8 m	• offices • conference rooms
<b>NEW</b>  5740 31/5740 81	1	ON/OFF	wall	PIR	IP 41	15 m <sup>2</sup>	range 8 m	• small offices

PIR : Passive infrared technology, US : Ultrasonic technology, DUAL TECH : PIR and US technologies








# lighting management standalone sensors

## main characteristics and applications

Cat. Nos.	With/ without neutral	Power supply	TYPE OF LIGHT COMPATIBILITY							DALI ballast	Contactors
			Halogen light	ELV halogen with separate ferromagnetic or electromagnetic transformer	Fluorescent tube	Fluorescent light with separate ferromagnetic or electronic ballast	LED	Compact fluorescent light with 1-10 V ballasts	ON/OFF		
<b>1 OUTPUT</b>	0488 03	With neutral	240 V	2 000 W	1 000 VA	10 x (2 x 36 W)	1 000 VA	500 W	500 W	-	max. ≤ 2 A
			100 V	1 000 W	1 500 VA	5 x (2 x 36 W)	500 VA	250 W	250 W		max. ≤ 2 A
	0488 11	With neutral	240 V	2 000 W	1 000 VA	10 x (2 x 36 W)	1 000 VA	500 W	500 W	-	max. ≤ 2 A
			100 V	1 000 W	1 500 VA	5 x (2 x 36 W)	500 VA	250 W	250 W		max. ≤ 2 A
	0697 40 0697 80	With neutral	240 V	2 000 W	1 000 VA	10 x (2 x 36 W)	1 000 VA	500 W	500 W	-	max. ≤ 2 A
			100 V	1 000 W	1 500 VA	5 x (2 x 36 W)	500 VA	250 W	250 W		max. ≤ 2 A
	5740 47 5740 97	With neutral	240 V	2 000 W	1 000 VA	10 x (2 x 36 W)	1 000 VA	500 W	500 VA	-	max. ≤ 2 A
			100 V	1 000 W	500 VA	5 x (2 x 36 W)	500 VA	250 W	250 VA		max. ≤ 2 A
	5740 34 5740 94	Without neutral	240 V	400 W max 40 W min	400 VA 40 VA	-	-	-	-	-	-
			100 V	200 W max 20 W min	200 VA 20 VA	-	-	-	-		-
	0488 05	With neutral	240 V	2 000 W	1 000 VA	10 x (2 x 36 W)	1 000 VA	500 W	500 W	-	max. ≤ 2 A
			100 V	1 000 W	1 500 VA	5 x (2 x 36 W)	500 VA	250 W	250 W		max. ≤ 2 A
	0488 06 0488 09	With neutral	240 V	2 000 W	1 000 VA	10 x (2 x 36 W)	1 000 VA	500 W	500 W	-	max. ≤ 2 A
			100 V	1 000 W	1 500 VA	5 x (2 x 36 W)	500 VA	250 W	250 W		max. ≤ 2 A
	0488 07 0488 08	With neutral	240 V	2 000 W	1 000 VA	10 x (2 x 36 W)	1 000 VA	500 W	500 W	-	max. ≤ 2 A
			100 V	1 000 W	1 500 VA	5 x (2 x 36 W)	500 VA	250 W	250 W		max. ≤ 2 A
0488 17	With neutral	240 V	2 000 W	1 000 VA	10 x (2 x 36 W)	1 000 VA	500 W	500 W	-	max. ≤ 2 A	
0488 10	With neutral	240 V	2 000 W	1 000 VA	10 x (2 x 36 W)	1 000 VA	500 W	500 W	-	max. ≤ 2 A	
		100 V	1 000 W	1 500 VA	5 x (2 x 36 W)	500 VA	250 W	250 W		max. ≤ 2 A	
0488 13	With neutral	240 V	2 000 W	1 000 VA	10 x (2 x 36 W)	1 000 VA	500 W	500 W	-	max. ≤ 2 A	
		100 V	1 000 W	1 500 VA	5 x (2 x 36 W)	500 VA	250 W	250 W		max. ≤ 2 A	
5740 49/ 5740 99	With neutral	240 V	2 000 W	1 000 VA	10 x (2 x 36 W)	1 000 VA	500 W	500 VA	-	max. ≤ 2 A	
		100 V	1 000 W	500 VA	5 x (2 x 36 W)	500 VA	250 W	250 VA		max. ≤ 2 A	
5740 31 5740 81	Without neutral	240 V	400 W max 40 W min	400 VA 40 VA	-	-	-	-	-	-	
		100 V	200 W max 20 W min	200 VA 20 VA	-	-	-	-		-	
<b>2 OUTPUTS</b>	0488 50 <sup>(1)</sup>	With neutral	240 V	3 600 W	1 800 VA	1 800 VA	500 W	500 W	1 800 VA	-	max. ≤ 2 A
			100 V	1 800 W	900 VA	900 VA	250 W	250 W	900 VA		
	0488 51	With neutral	240 V	-	-	-	-	-	-	2 x 16 ballasts	max. ≤ 2 A
0488 52	With neutral	240 V	-	-	-	-	-	1 000 VA	-	-	
		100 V	-	-	-	-	-	500 VA			

# lighting management BUS/SCS and BUS/KNX system sensors

## main characteristics and applications

Cat. Nos.	MAIN CHARACTERISTICS						Connection type	Recommended application
	Installation type	Sensor technology	Power supply	IP	Detection field	Diameter at 2-5 m		
 0488 20	ceiling	PIR	27 V powered by BUS/SCS or room controllers	IP 20	45 m <sup>2</sup>	Ø8 m	RJ 45	<ul style="list-style-type: none"> <li>• small offices</li> <li>• hallways</li> <li>• lobbies</li> </ul>
 0488 21	ceiling	US	27 V powered by BUS/SCS or room controllers	IP 20	45 m <sup>2</sup>	Ø8 m	RJ 45	<ul style="list-style-type: none"> <li>• restrooms</li> <li>• enclosed hallways</li> <li>• stairways</li> </ul>
 0488 22	ceiling	DUAL-TECH	27 V powered by BUS/SCS or room controllers	IP 20	90 m <sup>2</sup>	Ø11 m	RJ 45	<ul style="list-style-type: none"> <li>• offices</li> <li>• conference rooms</li> <li>• classrooms</li> </ul>
 0488 23	wall	DUAL-TECH	27 V powered by BUS/SCS or room controllers	IP 42	90 m <sup>2</sup>	range 11 m	RJ 45	<ul style="list-style-type: none"> <li>• offices</li> <li>• conference rooms</li> <li>• classrooms</li> </ul>
 0488 24	wall	PIR	27 V powered by BUS/SCS or room controllers	IP 42	45 m <sup>2</sup>	range 8 m	RJ 45	<ul style="list-style-type: none"> <li>• small offices</li> <li>• hallways</li> <li>• lobbies</li> </ul>
 0488 25	wall	PIR	27 V powered by BUS/SCS or room controllers	IP 42	30 m <sup>2</sup>	range 30 m	RJ 45	<ul style="list-style-type: none"> <li>• warehouse</li> <li>• high ceiling location</li> </ul>
 0488 30	wall	PIR	27 V powered by BUS/SCS or room controllers	IP 55	180 m <sup>2</sup>	Ø15 m	RJ 45	<ul style="list-style-type: none"> <li>• building entrance</li> <li>• warehouse</li> </ul>

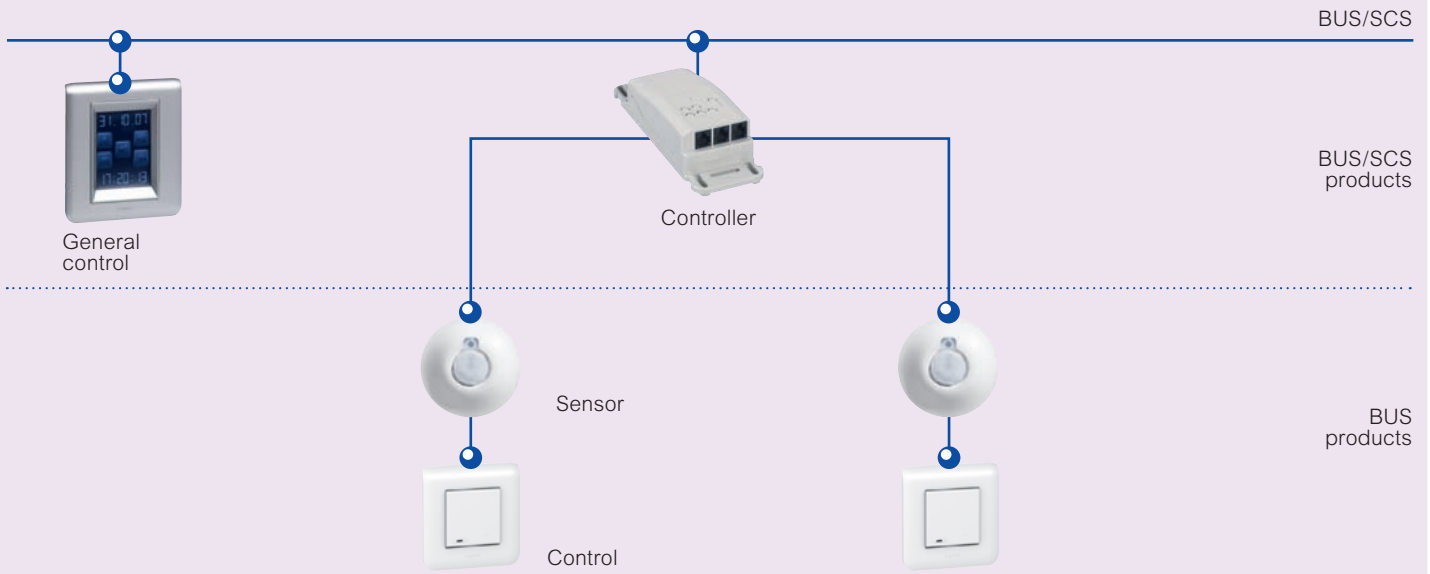
PIR : Passive infrared technology, US : Ultrasonic technology, DUAL TECH : PIR and US technologies

# SELECT YOUR SYSTEM



## ■ For BUS/SCS installations

Local or remote control of all lighting in the building's installation with the use of dedicated software

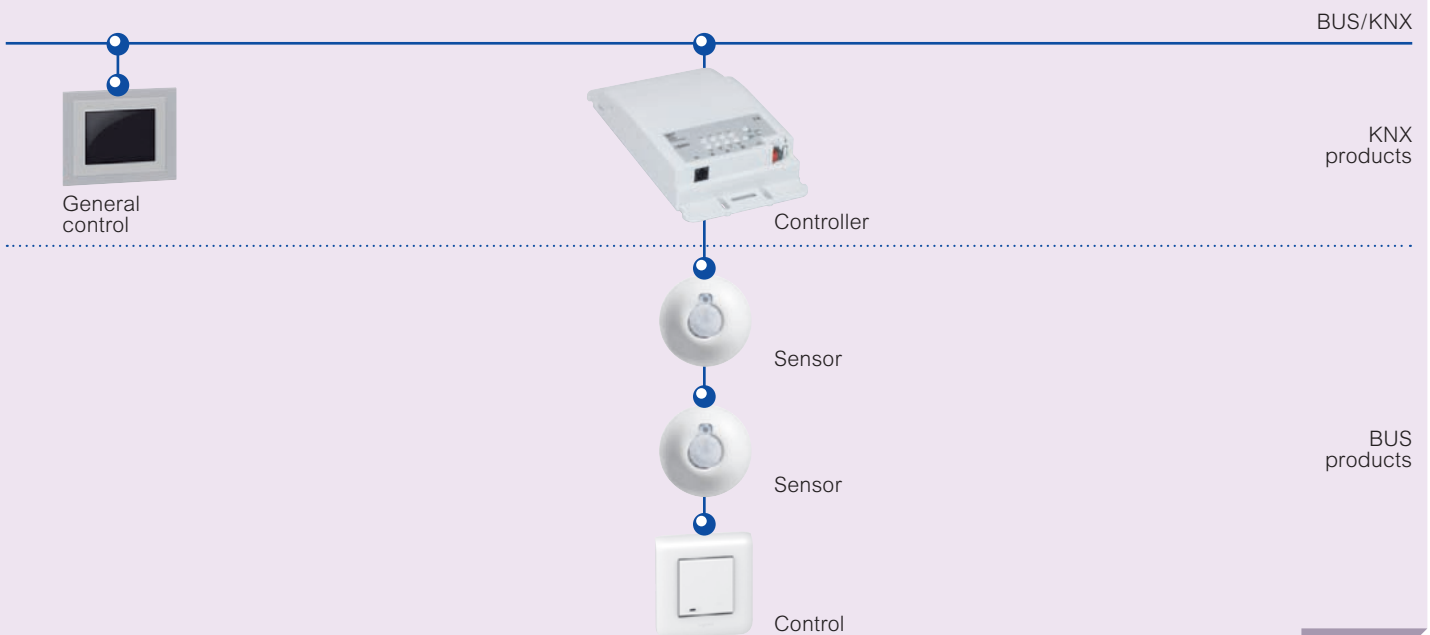


BUS/SCS : see p. 86 to 93



## ■ For BUS/KNX installations








Automated control with interoperability between pre-existing applications (emergency lighting, measuring, fire alarms etc.)



BUS/KNX : see p. 94 to 97



# lighting management BUS/SCS system room controllers

Cat. Nos.	MAIN CHARACTERISTICS		TYPE OF LIGHT COMPATIBILITY							ON/OFF	Dimming	Automation
	Number of outputs	Power supply	Halogen light	ELV halogen with separate ferromagnetic or electromagnetic transformer	Fluorescent tube	Fluorescent light with separate ferromagnetic or electronic ballast	LED	Compact fluorescent light with 1-10 V ballasts	DALI Ballast	Motors		
 0488 40	1	240 V	3600 W	3600 W	1 x 1000 VA	1 x 1000 VA	1 x 500 W	1 x 1000 VA	-	-		
		100 V	1800 W	1800 VA	1 x 500 VA	1 x 500 VA	1 x 250 W	1 x 500 VA	-	-		
	 0488 41	2	240 V	3600 W	3600 W	2 x 1000 VA	2 x 1000 VA	2 x 500 W	2 x 1000 VA	-	-	
			100 V	1800 W	1800 VA	2 x 500 VA	2 x 500 VA	2 x 250 W	2 x 500 VA	-	-	
 0488 42   0488 43   0488 44   0488 45	2	240 V	3600 W	3600 W	2 x 1000 VA	2 x 1000 VA	2 x 500 W	2 x 1000 VA	-	-		
		100 V	1800 W	1800 VA	2 x 500 VA	2 x 500 VA	2 x 250 W	2 x 500 VA	-	-		
	4	240 V	3600 W	3600 W	4 x 1000 VA	4 x 1000 VA	4 x 500 W	4 x 1000 VA	-	-		
		100 V	1800 W	1800 VA	4 x 500 VA	4 x 500 VA	4 x 250 W	4 x 500 VA	-	-		
	4	240 V	-	-	-	-	-	-	4 x 32 ballasts	-		
		100 V	-	-	-	-	-	-	-	-		
	2	240 V	2000 W	2000 VA	-	-	2 x 500 W <sup>1</sup> with min. 40 W per output	-	-	-		
		100 V	1000 W	1000 VA	-	-	2 x 250 W <sup>1</sup> with min. 20 W per output	-	-	-		
 0488 47	2 lighting + 2 automation	240 V	3600 W	3600 VA	2 x 1000 W	2 x 1000 VA	2 x 500 W	2 x 1000 VA	-	500 VA		
		100 V	1800 W	1800 VA	2 x 500 W	2 x 500 VA	2 x 250 W	2 x 500 VA	-	500 VA		

1 : Compatible with most types of dimmable LED

**NEW**
**lighting management BUS/SCS system**  
**DIN controllers**





Cat. Nos.	CHARACTERISTICS			TYPE OF LIGHT COMPATIBILITY								
	Number of outputs	Number of modules	Power supply	Halogen light	ELV halogen with separate ferromagnetic or electromagnetic transformer	Fluorescent tube	Fluorescent light with separate ferromagnetic or electronic ballast	LED	Compact fluorescent light with 1-10 V ballasts	DALI Ballast	Motor	
<b>ON/OFF</b> 0026 00 0026 01 0026 02 0026 04	1	4	240 V	1 x 3600 W	1 x 3600 W	1 x 1000 VA	1 x 1000 VA	1 x 500 W	-	-	-	
			100 V	1 x 1800 W	1 x 1800 W	1 x 500 VA	1 x 500 VA	1 x 250 W	-	-	-	
	2	4	240 V	2 x 3600 W	2 x 3600 W	2 x 1000 VA	2 x 1000 VA	2 x 500 W	-	-	-	
			100 V	2 x 1800 W	2 x 1800 W	2 x 500 VA	2 x 500 VA	2 x 250 W	-	-	-	
	4	6	240 V	4 x 3600 W	4 x 3600 W	4 x 1000 VA	4 x 1000 VA	4 x 500 W	-	-	-	
			100 V	4 x 1800 W	4 x 1800 W	4 x 500 VA	4 x 500 VA	4 x 250 W	-	-	-	
	8	10	240 V	8 x 3600 W	8 x 3600 W	8 x 1000 VA	8 x 1000 VA	8 x 500 W	-	-	-	
			100 V	8 x 1800 W	8 x 1800 W	8 x 500 VA	8 x 500 VA	8 x 250 W	-	-	-	
	<b>DIMMING</b> 0026 12 0026 21 0026 22 0026 33	4	10	240 V	-	-	-	-	-	4 x 1000 VA	-	-
				100 V	-	-	-	-	-	4 x 500 VA	-	-
		1	6	240 V	1 x 1000 W	1 x 1000 VA	-	-	1 x 500 W <sup>1</sup>	-	-	-
				100 V	1 x 500 W	1 x 500 VA	-	-	1 x 250 W	-	-	-
2		6	240 V	2 x 400 W	2 x 400 VA	-	-	1 x 200 W <sup>1</sup>	-	-	-	
			100 V	2 x 200 W	2 x 200 VA	-	-	1 x 100 W	-	-	-	
8		10	240 V	-	-	-	-	-	-	-	8 x 16 ballasts	-
			100 V	-	-	-	-	-	-	-	-	-
<b>MULTI-APPLICATION</b> 0038 41 0038 42 0038 44	1	2	240 V	-	-	-	-	-	-	-	4 A x 1 output	
			100 V	-	-	-	-	-	-	-	-	-
	2	2	240 V	-	-	-	-	-	-	-	-	2 A x 2 outputs
			100 V	-	-	-	-	-	-	-	-	-
	4	2	240 V	-	-	-	-	-	-	-	-	2 A x 4 outputs
			100 V	-	-	-	-	-	-	-	-	-

1 : Compatible with most types of dimmable LED












# lighting management BUS/KNX system room controllers

**NEW**

Cat. Nos.	MAIN CHARACTERISTICS		TYPE OF LIGHT COMPATIBILITY						
	Number of outputs	Power supply	Halogen light	ELV halogen with separate ferromagnetic or electromagnetic transformer	Fluorescent tube	Fluorescent light with separate ferromagnetic or electronic ballast	LED	Compact fluorescent light with 1-10 V ballasts	DALI Ballast
 0488 62	4	240 V	3600 W	3600 W	4 x 1000 VA	4 x 1000 VA	4 x 500 W	4 x 1000 VA	-
		100 V	1800 W	1800 VA	4 x 500 VA	4 x 500 VA	4 x 250 W	4 x 500 VA	
 0488 61	2	240 V	2000 W	2000 VA	-	-	-	-	-
		100 V	1000 W	1000 VA	-	-	-	-	
 0488 64	4	240 V	-	-	-	-	-	-	4 x 32 ballasts
		100 V	-	-	-	-	-	-	
 0488 66	8	240 V	-	-	-	-	-	-	8 x 16 ballasts
		100 V	-	-	-	-	-	-	

**NEW**
**lighting management BUS/KNX system  
DIN controllers**

Cat. Nos.	CHARACTERISTICS			TYPE OF LIGHT COMPATIBILITY									
	Outputs	Number of modules	Power supply	Halogen light	ELV halogen with separate ferromagnetic or electromagnetic transformer	Fluorescent tube	Fluorescent light with separate ferromagnetic or electronic ballast	LED	Compact fluorescent light with 1-10 V ballasts	DALI Ballast			
<b>ON/OFF</b>	 0026 00 + 0026 34	1	4	240 V	1 x 3600 W	1 x 3600 W	1 x 1000 VA	1 x 1000 VA	1 x 500 W	-	-		
				100 V	1 x 1800 W	1 x 1800 W	1 x 500 VA	1 x 500 VA	1 x 250 W	-			
	 0026 01 + 0026 34	2	4	240 V	2 x 3600 W	2 x 3600 W	2 x 1000 VA	2 x 1000 VA	2 x 500 W	-	-		
				100 V	2 x 1800 W	2 x 1800 W	2 x 500 VA	2 x 500 VA	2 x 250 W	-			
	 0026 02 + 0026 34	4	6	240 V	4 x 3600 W	4 x 3600 W	4 x 1000 VA	4 x 1000 VA	4 x 500 W	-	-		
				100 V	4 x 1800 W	4 x 1800 W	4 x 500 VA	4 x 500 VA	4 x 250 W	-			
	 0026 04 + 0026 34	8	10	240 V	8 x 3600 W	8 x 3600 W	8 x 1000 VA	8 x 1000 VA	8 x 500 W	-	-		
				100 V	8 x 1800 W	8 x 1800 W	8 x 500 VA	8 x 500 VA	8 x 250 W	-			
	<b>DIMMING</b>	 0026 35	-	-	-	-	-	-	-	-	-	64 ballasts	
		 0026 33 + 0026 34	8	10	240 V	-	-	-	-	-	-	-	8 x 16 ballasts
					100 V	-	-	-	-	-	-	-	
		 0026 12 + 0026 34	4	10	240 V	-	-	-	-	-	4 x 1000 VA	-	-
					100 V	-	-	-	-	-	4 x 500 VA	-	
		 0026 21 + 0026 34	1	6	240 V	1 x 1000 W	1 x 1000 VA	-	-	-	-	-	-
					100 V	1 x 500 W	1 x 500 VA	-	-	-	-	-	
		 0026 22 + 0026 34	2	6	240 V	2 x 400 W	2 x 400 VA	-	-	-	-	-	-
100 V	2 x 200 W				2 x 200 VA	-	-	-	-	-			